

## ISO/IEC 17025 Certified Third Party Test Report

DATE: April 30, 2012

FILE: MCRSAF.A040612B

CLIENT: MCR Safety  
5231 E Shelby Dr.  
Memphis, TN 38118

ATTN: Vipin Myneni

SAMPLE IDENTIFIED BY CLIENT AS:

Vinyl Submitted  
Ref: 2003/HBS 100 Series  
Color Yellow

TEST PROCEDURE:

TEST RESULTS:

RESISTANCE OF PROTECTIVE CLOTHING MATERIALS TO PENETRATION BY LIQUIDS  
(ASTM F903):

Temperature: 70°F

Specimen Area Exposed: 4.15in<sup>2</sup>

Thickness: 0.018in

Procedure: Method A (0 psig for 5 min, 2 psig for 10 min), talc leak indicator used

Chemical Name	Concentration	CAS Number	Results	Comment
Acetonitrile	100%	75-05-8	Pass	
1,2 - Dichloroethane	100%	107-06-2	Fail	Permeated
Ethanolamine	100%	141-43-5	Pass	
Ethyl Acrylate	100%	140-88-5	Fail	Permeated
Formaldehyde	37%	50-00-0	Pass	
Hexanes	100%	110-54-3	Pass	
Hydrochloric Acid	37%	7647-01-0	Pass	
Hydrofluoric Acid	48%	7664-39-3	Pass	
Kerosene	100%	8008-20-6	Pass	
Methyl Ethyl Ketone	100%	78-93-3	Fail	Corroded through surface
Methylene Chloride	100%	75-09-2	Fail	Corroded through surface
Naphtha (Mineral Spirits)	100%	N/A	Pass	
Nitric Acid	70%	7697-37-2	Pass	
Sodium Hydroxide	70%	1310-73-2	Pass	
Sodium Hypochlorite	100%	7681-52-9	Pass	
Styrene	100%	100-42-5	Fail	Permeated
Sulfuric Acid	70%	7664-93-3	Pass	
Toluene	100%	108-88-3	Fail	Permeated
1,1,1 - Trichloroethane	100%	71-55-6	Fail	Permeated

Signed For The Company By

Adam R. Warley  
Technical Director

TT/04/139



*Stacy Sadowy*

Stacy Sadowy  
Quality Assurance Supervisor

